



Chikungunya Surveillance Weekly Report

US Virgin Islands Department of Health

Week 48

November 23 —November 29, 2014

Summary

Total Cases, 2014

216 Confirmed

46 Probable

1263 Suspect

By Island

St. Croix

26 Confirmed/Probable

469 Suspect

St. John

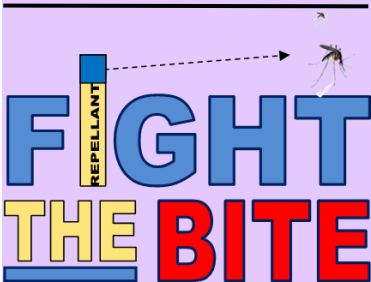
7 Confirmed/Probable

41 Suspect

St. Thomas

228 Conf./Probable

754 Suspect



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Figure 1. Chikungunya cases by week of illness onset, 2014

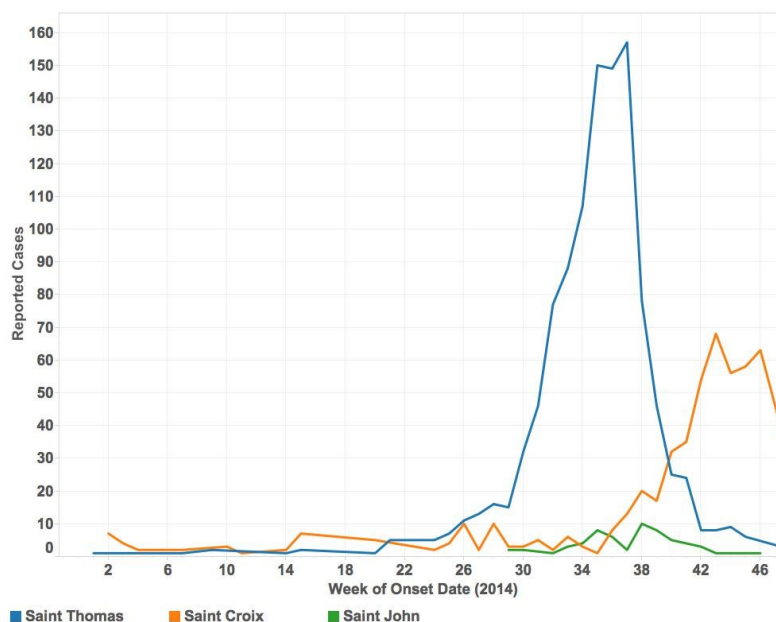


Figure 2. Map of reported cases by island, 2014

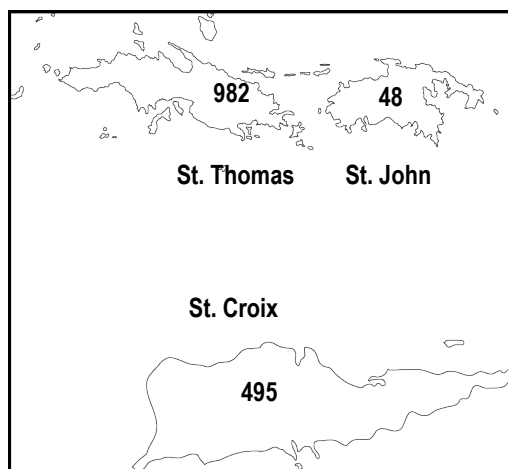


Table 1. Demographics, clinical information of reported chikungunya cases, 2014

	Confirmed or Probable (N=262)		Suspect (N=1263)	
	No.	(%)	No.	(%)
Age				
<20 years	54	(21)	262	(21)
20–39 years	59	(23)	270	(21)
40–59 years	68	(26)	344	(27)
≥60 years	69	(26)	395	(31)
Sex				
Female	143	(55)	713	(56)
Male	104	(40)	476	(38)
Unknown	15	(6)	74	(6)
Case type				
Locally-acquired	254	(97)	1185	(94)
Imported	8	(3)	13	(1)
Unknown	0	(0)	65	(5)
Symptoms				
Fever	202	(77)	983	(78)
Arthralgia	221	(84)	1008	(80)
Arthritis	108	(41)	431	(35)
Outcome				
Hospitalized	22	(4)	28	(2)
Death	1	(0.4)	1	(0)

Chikungunya Case Definitions (PAHO)

Suspect Case: Any resident or visitor to the USVI with acute onset of fever of $>38^{\circ}\text{C}$ ($>101^{\circ}\text{F}$) AND severe arthralgia or arthritis not explained by another medical condition.

Probable Case: A suspected case with chikungunya virus-specific IgM antibodies in serum or other bodily fluid, but with no other testing.

Confirmed Case: A suspected case with any of the following:

- 1) Isolation of chikungunya virus from, or demonstration of chikungunya viral antigen or nucleic acid in, tissue, blood, CSF, or other body fluid, OR
- 2) Four-fold or greater change in chikungunya virus-specific quantitative antibody titers in paired sera, OR
- 3) Chikungunya virus-specific IgM antibodies in serum with confirmatory chikungunya virus-specific neutralizing antibodies in the same or a later specimen.

NOTE: Case numbers are preliminary.